



جامعة العلوم والتقنية في الفجيرة  
University of Science and Technology of Fujairah

## CURRICULUM VITAE

### PERSONAL INFORMATION

Name:	Sumia Sir-Elkhatim Mohamed Ibrahim
Nationality:	Sudanese
Job Title:	Professor
Marital Status:	Married
College:	Pharmacy
Department:	Pharmaceutics
Date of Birth:	02/02/58
Moile Number:	050/3519039
E-mail:	<a href="mailto:s.elkhatim@ustf.ac.ae">s.elkhatim@ustf.ac.ae</a>

### EDUCATIONAL BACKGROUND

#### 1. Doctorate

University:	University of Florida
Country:	USA
Date of Obtaining degree:	1991
Major:	Pharmaceutics / Biopharmaceutics and Pharmacokinetics
Minor:	
Title:	The disposition of codeine in sickle cell patients compared to healthy controls.

#### 2. Master

University:	University of Khartoum
Country:	Sudan
Date of Obtaining degree:	1986
Major:	Pharmaceutics / Biopharmaceutics and Pharmacokinetics
Minor:	
Title:	Bioavailability and pharmacokinetics of chloroquine in humans

#### 3. Bachelor

University:	University of Khartoum
Country:	Sudan
Date of Obtaining degree:	1982

### COMPUTER SKILLS

MS Word	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Excel	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Power Point	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Outlook	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
Internet	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced

### LANGUAGE SKILLS

Arabic	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
English	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
Other, specify	<input checked="" type="checkbox"/> Beginner	<input checked="" type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced

<b>PROFESSIONAL EXPERIENCE</b>				
<b>From (year)</b>	<b>To (year)</b>	<b>Position</b>	<b>Employer</b>	<b>Country</b>
3/2019	Present	Acting Dean, College of Pharmacy and Health Science	University of Science and Technology of Fujairah	UAE
2019	Present	Head of USTF Health and Safety Committee	University of Science and Technology of Fujairah	UAE
2010	2/2019	Deputy Dean, College of Pharmacy	Ajman University, Fujairah Campus	UAE
2004	2009	Deputy Dean, Faculty of Pharmacy	University of Khartoum	Sudan
2000	2007	Head department of Pharmaceutics	University of Khartoum	Sudan
2002	2009	Establishing Coordinator, Master in clinical Pharmacy program	University of Khartoum	Sudan
1999	2004	Establishing Dean, Faculty of Pharmacy	University of Medical Sciences and Technology	Sudan
1997	1999	Faculty Member/Wellcome Trust Research Fellow	University of Liverpool	UK
1993	1993	Academic Visitor	University of Sana'a	Yemen
1992	2009	Instructor of Pharmaceutics	University of Khartoum	Sudan
1999	1992	Postdoctoral fellow	University of Florida	USA

<b>EDUCATIONAL EXPERIENCE</b>			
<b>Academic Year</b>	<b>Course Title</b>	<b>Academic Year</b>	<b>Course Title</b>
<b>Ajman University of Science and Technology Network, College of Pharmacy and Health Sciences, UAE. (Currently on Secondment)</b>		<b>Other Universities</b>	
<b>AU Undergraduate level</b>		<b>The University of Khartoum, Faculty of Pharmacy, Sudan</b>	
<b>Undergraduate level</b>		<b>Undergraduate level</b>	
2009/2010– 2019/2020	Pharmaceutical technology training (700415)	1992/1993 till 1996/1997 and 1999/2000 till 2008/2009	Pharmaceutics (Biopharmaceutics and Pharmacokinetics, Packaging and Stability)
2012/2013 - 2014/2015	Pharmaceutical technology (700413)	1995/1996	Pharmaceutics (Dosage Forms)
2009/2010 – present	Biopharmaceutics and pharmacokinetics I (700311)	1994/1995	Pharmaceutics (Powder Technology)
2009/2010 – present	Biopharmaceutics and pharmacokinetics II (700312)	1994/1995	Pharmaceutics (History of Pharmacy, Dispensing and Incompatibility, Unit Processes and Pharmaceutical Calculations)
2009/2010 – Present	Pharmaceutical dosage forms I (700213)	1982 – 1986	Teaching Assistant for all pharmaceutics laboratory sessions

2009/2010 – Present	Pharmaceutical dosage forms II (700214)	<b>U of K Postgraduate level</b>	
2012/2013 - 2014/2015	Physical pharmacy I (700112)	<b>2004 - 2009</b>	Basic Pharmacokinetics (604)
2012/2013 - 2014/2015	Physical pharmacy II (700212)	<b>2004 - 2009</b>	Communication Skills in Pharmacy Practice (605)
2012/2013 - 2014/2015	Introduction to Pharmacy (700111)	<b>2004 - 2009</b>	Community Pharmacy, Responding to Symptoms (610)
		<b>2004 - 2009</b>	Research Methods in Pharmacy Practice (613)
		<b>2004 - 2009</b>	Offered several seminars as part of the “New trends in pharmaceutical sciences” course (615)
		<b>2004 - 2009</b>	Clinical Pharmacokinetics and Therapeutic Drug Monitoring (701)
		<b>2004 - 2009</b>	Parenteral Nutrition and Intravenous Therapy (702).
<b>University of Medical Sciences and Technology, College of Pharmacy, Sudan</b>			
		2002/2003 & 2003/2004	Pharmaceutics (Biopharmaceutics and Pharmacokinetics)
		2003/2004	Clinical Pharmacy I
		2003/2004	Clinical Pharmacy II
<b>Khartoum College of Medical Sciences (Ibn Sina University), College of Pharmacy, Sudan</b>			
		2004/2005 till 2008/2009	Biopharmaceutics and Pharmacokinetics
		2004/2005 till 2008/2009	Clinical Pharmacy
<b>University of Science and Technology, College of Pharmacy, Sudan</b>			
		2002/2003 & 2003/2004	Pharmaceutics, Pharmacokinetics
		2002/2003 & 2003/2004	Pharmaceutics, Packaging and Stability
<b>University of Florida, College of Pharmacy, USA</b>			
		1987 – 1991	Teaching Assistant for pharmaceutical analysis, dispensing laboratory sessions, and basic and clinical pharmacokinetics discussion sessions

## PUBLICATIONS

### 1. Books

### 2. Book Chapters

### 3. Journal Articles

- |      |   |
|------|---|
| 2021 | Sumia Sir Elkhatim Mohamed and Randa Hafiz Siddig. Lithium Therapeutic Drug Monitoring Pattern at Two Psychiatric Hospitals in Khartoum State. <i>Journal of Pharmacy Practice and Research</i> . Submitted for publication   |
| 2019 | Sumia S. Mohamed and Dalia A. Ballal. Cardiovascular risk screening services in Sudanese community pharmacies. <i>Asian Journal of Pharmaceutical and Clinical Research</i> . 2019, 12 (7) 98-102.  |
| 2019 | Mousa A. Qarawi, Farah H. Farah, Sumia S. Mohamed, and Babiker M. Elhaj. A review on therapeutic proteins: stability aspects and clinical implications. <i>Int. Res. J. Pharm.</i> 2019, 10 (2) 1-7   |
| 2018 | I. M. Abu-Al-Futuh Shandal, Sumia S. Mohamed, Mousa a. Qarawi. Pharmacognosy and new trends of B. Pharm syllabi. <i>Int J Curr Pharm Res</i> . 2018, 10 (6) 25-29.  |
| 2018 | Sumia Sir Elkhatim Mohamed and Dalia Ahmed Osman Ballal. Awareness and attitude of Khartoum state community pharmacists towards cardiovascular disease screening services. <i>World Journal of Pharmaceutical Research</i> . 2018, 7 (15) 1196-1209.  |
| 2017 | M. A. Qarawi, S. S. Mohamed, I. M. Aub-Alfutih and B. M. Elhaj. Role of polyols and surfactants in liquid protein formulations. <i>World Journal of Pharmacy and Pharmaceutical Sciences</i> . 2017, 6 (6) 190-196.   |
| 2016 | Musa A. Qarawi, Sumia S. Mohamed, Babiker M. Elhaj and Ibrahim M. Aub-Alfutih. Review Article: Biosimilar recombinant protein therapies. <i>Eu J Biomed Pharm Sci</i> . 2016, 3 (11) 53-57.   |
| 2016 | Babiker M. Elhaj, Sumia S. Mohamed, Mousa A. Qarawi. Review Article: Asthma Inhalation devices. <i>Int. Res. J. Pharm.</i> 2016, 7 (6) 1-6.   |
| 2015 | Naseem Charoo, Hasan Ali Hassan and Sumia S. Mohamed. Establishment of biorelevant dissolution specification for Candesartan Cilexetil tablets using convolution model. <i>Dissolution technologies</i> . February 2015 issue, 36-43. <a href="https://doi.org/10.14227/DT220115">dx.doi.org/10.14227/DT220115</a> . P36-43 |
| 2015 | Sumia S. Mohamed, Adil A. Mahmoud and Abdulazim. A. Ali. Sudanese community pharmacy practice and its readiness for change to patient care. <i>International Journal of Pharmacy Practice</i> . 2015, 23 (4):266-273.   |
| 2014 | Sumia S. Mohamed, Adil A. Mahmoud and Abdulazim. A. Ali. Barriers for implementation of pharmaceutical care practice in community pharmacies in Sudan. <i>Khartoum Medical Journal</i> . 2014, 7 (1):921-931.   |
| 2014 | Adil A. Mahmoud and Abdulazim. A. Ali, Sumia S. Mohamed. Doctors' perceptions on community pharmacists expanded roles in Sudan. <i>World Journal of Pharmacy and Pharmaceutical Sciences</i> . 2014; 3 (12):335-349.  |
| 2014 | Adil A. Mahmoud and Abdulazim A. Ali and Sumia S. Mohamed. Expanded roles of community pharmacists in Sudan: Consumers' needs and perceptions. <i>World Journal of Pharmacy and Pharmaceutical Sciences</i> . 2014; 3 (6):1875-1888.  |
| 2014 | Sumia S. Mohamed, Adil A. Mahmoud and Abdulazim. A. Ali. The role of Sudanese community pharmacists in patients' self-care. <i>Int J Clin Pharm</i> . 2014; 36 (2):412-419  |
| 2013 | Sumia S. Mohamed, Adil A. Mahmoud and Abdulazim A. Ali. Involvement of Sudanese community pharmacists in public health activities. <i>Int J Clin Pharm</i> . 2013; 35 (3): 393 - 400.   |
| 2012 | Sumia Sir-Elkhatim Mohamed. Clinical pharmacy in the Sudan: Current state and future challenges. <i>Khartoum Medical Journal</i> . 2012; 5 (2):738-748.   |
| 2011 | Mohamed SS, Mustafa MA and Elawad ZA. Pharmacokinetic and bioequivalence studies on two brands of Cephalexin Monohydrate suspension. <i>Arab Journal of Pharmaceutical Sciences</i> . 2011; 4 (7): 39 – 45  |

2011	Sumia Sir-Elkhatim Mohamed. Current state of pharmacy education in the Sudan. American Journal of Pharmaceutical Education. 2011; 75 (4) Article 65
2011	Sumia S. Mohamed, Mohamed A. Mustafa, Eltahir A. Ahmed, Nemat A. Algarai, Zoheir A. Alawad and Abdulazim A. Ali. Comparative pharmacokinetics and bioequivalence studies of three oral Cephalexin Monohydrate formulations. Jordan Journal of Pharmaceutical Sciences. 2011; 4 (2): 89 - 96.
2003	Sadik Mithwani, Leon Aarons, Gilbert Kokwaro, Oneeb Majid, Simon Muchohi, Geoffrey Edwards, Sumia Mohamed, Kevin Marsh and William Watkins. Population pharmacokinetics of artemether and dihydroartemisinin following a single intramuscular dosing of artemether in African children with severe falciparum malaria. Br J Clin Pharmacol, 2003; 57 (2): 146-152.
1999	S. S. Mohamed, S. A. Khalid, S. A. Ward, T. S. M. Wan, H. P. O. Tang, M. Zheng, R. K. Haynes, and G Edwards. Simultaneous determination of artemether and its major metabolite dihydroartemisinin in plasma by gas chromatography-mass spectrometry-selected ion monitoring. J. Chromatogr. B., 1999; 731: 251-260.
	M. L. Kaltenbach, S. S. Mohamed, G. Mullersman, J. H. Perrin and H. Derendorf. Pharmacokinetic Evaluation of Two Ibuprofen-Codeine Combinations. International J. Clin. Pharmacol. Therap. 1994; 32 (4): 210-214.
1993	S. S. Mohamed, M. Christopher, P. Mehta, A. Kedar, S. Gross, and H. Derendorf. Increased Erythrocyte and Protein Binding of Codeine in Patients with Sick Cell Disease. J. Pharm. Sci. 1993; 82 (11): 1112-1117.
1993	S. S. Mohamed, M. Ayass, P. Mehta, A. Kedar, S. Gross, and H. Derendorf. Codeine Disposition in Sick Cell Patients Compared with Healthy Controls. J. Clin. Pharmacol. 1993; 33: 811 - 815.
1993	S. S. Mohamed, M. Butschkau, and H. Derendorf. A Reversed Phase Liquid Chromatographic Method for the Determination of Codeine in Biological Fluids with Applications. J. Liquid Chromatogr. 1993; 16 (11): 2325-2334.
1989	A. A. Ali and S. S. Mohamed. Disposition profile of six commercial chloroquine tablets. The Eastern Pharmacist XXXII, 1989; 381: 122-126. S. S.
1986	Sumia S. Mohamed and Adelazeem A. Ali. Pharmacokinetics and bioavailability of oral chloroquine in Humans. Sudan Pharmacy, 1986; No. 1: 36-37.

#### 4. Conferences

2020	Ayaa Raad Mustafa, Anfal Ali Ali and Mohamed SS. Angina or Heartburn: All what you need to know. 25 <sup>th</sup> Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 25 - 27 February 2020). Dubai, UAE. No. DUPHAT79, pp 96.
2020	Rahaf Abdulrahim, Reem Abdulrahim, Mera Ali Alsereidi and Mohamed SS. Community awareness about the relationship between Type II and Type III diabetes and their diagnosis and management. 25 <sup>th</sup> Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 25 - 27 February 2020).). Dubai, UAE. No. DUPHAT, pp 127.
2017	Mohammed Radi, Adham Maher and Mohamed SS. Correlation between Exercise and Mental Health Among adults in Fujairah, United Arab Emirates. 22nd Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 7 - 9 March, 2017). Dubai, UAE. No. 311, pp 152.
2017	Ali Mohammed Abdul-Bari, Mohammed Khalid Rafee, Ahmed Mohammed Sobhi and Mohamed SS. Probiotics: Benefits and risks 22nd Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 7 - 9 March, 2017). Dubai, UAE. No. 411, pp 175
2017	Shaimaa Diab and Mohamed SS. Abuse of over-the-counter antihistamine, decongestions and cough medications. 22nd Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 7 - 9 March, 2017). Dubai, UAE. No. 484, pp 189.
2017	Khadija khalaf, Nardeen Amro, Alaa Mohamed and Sumia SirElkhatim Mohamed. Sugar /Immune system depressant. 22nd Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 7 - 9 March, 2017). Dubai, UAE. No. 324, pp 131
2017	Asmaa Mohamed Ali, Bayan Mohamed Ghassan, Nariman Mohamed Fahmy, Mennatallah Saeed Hamed and Mohamed SS. The challenge of managing drug interactions in Long-term-care for the

	elderly. 22nd Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 7 - 9 March, 2017). Dubai, UAE. No. 330, pp 156.
2016	Ali Mohammed Abdul-Bari and Mohamed SS. Public awareness about Thalassemia and its prevention. 21st Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 15 - 17 March, 2016). Dubai, UAE. No. 324, pp 131
2016	Mohamed A, Saeed M, Mohamed N, Mohamed B and Mohamed SS. The consequences of accumulation of unused and expired medications in home medicine cabinets. 21st Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 15 - 17 March, 2016). Dubai, UAE. No. 229, pp 114.
2015	Noor Khalid, Hoda Yousef and Sumia Sir Elkhatim Mohamed (2015). The effects of short-term and long-term omega 3 fatty acid supplementation. 20th Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 8 - 10 March, 2015). Dubai, UAE. No. S124, pp 207.
2015	Dina Hani, Rafah Khalid and Sumia Sir Elkhatim Mohamed (2015). The effect of Asthma disease in the East of UAE. 20th Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 8 - 10 March, 2015). Dubai, UAE. No. S106, pp 200.
2015	Wafa Roshdy Abdelsattar El sayad, Reem Salah eldin Alhamad, Mais Muslem and Sumia Sir Elkhatim Mohamed (2015). Phantom Drugs, the Wrong Way to Go. 20th Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 8 - 10 March, 2015). Dubai, UAE. No. S103, pp 199.
2015	Sara Ghassan, Ola Arwani, Fatima Mohammad Al Kaabi and Sumia Sir Elkhatim Mohamed (2015). Antibiotics misuse in Cold and Flu. 20th Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 8 - 10 March, 2015). Dubai, UAE. No. S96, pp 196.
2015	Sara Mohammed Haddad, Heba Khalid Al Batta and Sumia Sir Elkhatim Mohamed (2015). Prevalence of vitamin D deficiency among adults in Fujairah Campus of Ajman University and its related factors. 20th Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 8 - 10 March, 2015). Dubai, UAE. No. S59, pp 184
2012	Sumia Sir Elkhatim Mohamed and Hawa Ahmed Obeidallah Hamid. Management of Oral Mucositis Following Cytotoxic Chemotherapy at Radio Isotope Centre Khartoum. Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 19-21 March, 2012), Dubai, UAE. No. S27, pp 124.
2012	Sumia Sir Elkhatim Mohamed and Randa Hafiz Siddig. Therapeutic drug monitoring of lithium (2012). The 1st Technosphere 2012 Conference, The 14th Annual SACPAW Congress and The 2nd International Conference of AUST College of Pharmacy and Health Sciences, 7-9 February, Ajman University UAE, No. 33, PP 153-154.
2012	Sumia S. Mohamed, Nemat A. Algarai and Mohamed Mustafa. Bioequivalence of Locally Manufactured amoxicillin Capsule and Suspension Formulations in Comparison with Princimox <sup>®</sup> Using Urinary Excretion Method (2012). The 1st Technosphere 2012 Conference, The 14th Annual SACPAW Congress and The 2nd International Conference of AUST College of Pharmacy and Health Sciences, 7-9 February, Ajman University UAE, No. 32, PP 151-152
2012	Sumia Sirelkhatim Mohamed Faiza Mohamed Ahmed Saad and Mohamed Sirelkhatim Hashim. Parents/Guardians Perspectives on Prescribing Practices and Rational Use of Antimalarials and Antibiotics in Children in Khartoum State (2012). The 1st Technosphere 2012 Conference, The 14th Annual SACPAW Congress and The 2nd International Conference of AUST College of Pharmacy and Health Sciences, 7-9 February, Ajman University UAE, No. 31, PP 149-150
2011	Sumia S. Mohamed, Adil A. Mahmoud and A. A. Ali. Attitudes of Sudanese Community Pharmacists towards Pharmaceutical Care (2012). The 1st Technosphere 2012 Conference, The 14th Annual SACPAW Congress and The 2nd International Conference of AUST College of Pharmacy and Health Sciences, 7-9 February, Ajman University UAE, No. 36, PP 92.
2011	Mohammed Abdallah Eltayeb, Sumia Sir Elkhatim Mohamed, Mohamed Ali Eltom (2011). Diabetes care in community pharmacy practice in Khartoum State, Sudan: The pharmacist and diabetes clients' perspectives. International Diabetes Epidemiology Group (IDEG) 12th Symposium, 2-4 December, Sharjah University, UAE. No. P11, pp 23-24
2011	Mohammed Abdallah Eltayeb, Sumia Sir Elkhatim Mohamed, Mohamed Ali Eltom (2011). Feasibility of implementing pharmaceutical care for people with diabetes in Sudan: DSME delivery in a community pharmacy. The World Diabetes Congress, organized by the International Diabetes Federation (IDF), 4-8 December, Dubai, UAE. No. 1618, pp 523

2011	Abeer Khalfan Abdulla and Sumia Sir-Elkhatim Mohamed (2011). Antioxidants in our lives: The 5 Ws. Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 22-24 March, 2011), Dubai, UAE. No. S28, pp 125
2011	Lama Mohamed Hassan Shokfa, Leila Abdullah Mohamed Alshehhi and Sumia Sir-Elkhatim Mohamed (2011). Assessment of the Use of Music Therapy in Treatment of Psychiatric Patients and Children with Special Needs. Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 22-24 March, 2011), Dubai, UAE. No. S27, pp 124.
2009	Sumia Sir-Elkhatim Mohamed and Dalia Ahmed Osman Ballal (2011). Need of Screening Services for Primary Prevention of Cardiovascular Diseases in Community Pharmacies. Dubai International Pharmaceutical and Technologies Conference and Exhibition, (Duphat 22-24 March, 2011), Dubai, UAE. No. F 51, pp 87.
2009	S. S. E. Mohamed, A. T. Mohamed, H. A. Mohamed (2010). Evaluation of nosocomial infection management and antimicrobial use at Soba University hospital ICU. ESCP International Workshop. Patient safety and Pharmacy, Uppsala, Sweden. No. PC-08, pp 112.
2007	Sumia Sir-Elkhatim Mohamed (2009). The University of Khartoum and implementation of patient-centered pharmacy practice. Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 2009), Dubai, UAE. No. 56 pp 103.
2007	Sumia S. Mohamed (2007). The role of the University of Khartoum towards the implementation of pharmaceutical care practice in Sudan. 36th European Symposium on Clinical Pharmacy "Implementing clinical pharmacy in community and hospital setting: Sharing the experience". Istanbul, Turkey, No. EDU-107 pp 35
2007	Sumia S. Mohamed (2007), The University of Khartoum and the Transition from Product-focused to Patient-focused Pharmacy Teaching. The 2nd International Conference on Medical Education in the Sudan. March, 2007. Organized by the Educational Development Center for Health Professionals, Khartoum. pp 64.
2005	Sumia S. Mohamed, Ahmed Ghaleb Saif Al-Mekhlafi and Najeeb Saed Ghanim (2005). Bioequivalence evaluation of Ciprofloxacin in six brands available in Yemen and the influence of khat and common Yemeni food on its bioavailability. The 9 <sup>th</sup> International Pharmaceutical Sciences Conference and Exhibition and the 9 <sup>th</sup> General Assembly Meeting of the Scientific Society of Colleges of Pharmacy of the Association of Arab Universities in the Arab World., King Saud University, Faculty of Pharmacy, Riyadh, Saudi Arabia BE/BA-02 pp 54.
2005	Sumia Sir Elkhatim Mohamed, Rehab Ibnauf Homeida and Xuan Li-Jiang (2005). Pharmacokinetic profile and bioequivalence of four dosage forms of chloroquine marketed in the Sudan. The 9 <sup>th</sup> International Pharmaceutical Sciences Conference and Exposition and the 9 <sup>th</sup> General Assembly Meeting of the Scientific Society of Colleges of Pharmacy of the Association of Arab Universities in the Arab World.
2003	Sumia S. Mohamed, Rehab IbnAuf and Xuan Lijiang (2003). Comparative pharmacokinetics and bioavailability of two locally manufactured chloroquine preparations. Conference on Endemic and Infectious diseases in The Sudan. Ministry of science and technology, National center for Research, Tropical Medicine Research Institute, in collaboration with institute of Endemic Diseases U of K, World Health organization (WHO/TDR) and Federal ministry of Health. No. 8.7 pp 25.
2000	S. S. Mohamed, W. H. Eltom, S. A. Khalid, G. M. Satti, S. A. Ward and G. I. Edwards (2000). Pharmacokinetics of intramuscular artemether and dihydroartemisinin in Sudanese patients with chloroquine resistant uncomplicated P. falciparum malaria and healthy volunteers. Proceedings of the Ninth Jordanian Pharmaceutical Conference 29/2 – 2/3/2000, 104 – 106.
1999	S. S. Mohamed, W. H. Eltom, S. A. Khalid, G. M. Satti, S. A. Ward and G. I. Edwards (1999). Pharmacokinetics-Pharmacodynamic correlation of Artemether in Sudanese patients with chloroquine resistant uncomplicated P. falciparum malaria. 2 <sup>nd</sup> Global Gators Symposium on New Developments in Clinical Pharmacy and Clinical Pharmacology, Reims, France.
1991	S. S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, and H. Derendorf (1991). Pharmacokinetics of Codeine in Sickle Cell Patients and Healthy Controls. J Clin Pharmacol 31:846.
1991	S. S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, and H. Derendorf (1991). Pharmacokinetics of Codeine in Sickle Cell Patients and Healthy Controls. Pharm. Res. 8, 10: S-295.
1990	S. S. Mohamed and H. Derendorf (1990). Binding of codeine to healthy and sickle erythrocytes. Pharm. Res., 7, 9: S-256.

1990	Sumia S. Mohamed and Hartmut Derendorf (1990). Red cell binding of codeine. Proceedings of the Graduate Research Association of Students in Pharmaceutics, Tenth Annual Meeting, Durham, NC, USA, 30:42.
1989	Sumia S. Mohamed and Hartmut Derendorf (1989). HPLC assay and sickle cell binding of codeine. Proceedings of the Graduate Research Association of Students in Pharmaceutics, Ninth Annual Meeting, Athens, GA, USA, 29:38
1989	Harron, D.W.G., Ali, A. A., Mohamed, S. S., and Collier P. S. (1986). Chloroquine interaction with food and analgesics in Sudanese men. Acta Pharmacologica et Toxicologica (Suppl. V) Abstracts 11: 219.

## PROFESSIONAL AND ACADEMIC ACTIVITIES

### 1. Professional Training

1998 – 1999	Research Training Fellow, Application of GC/MS/SIM technique for measurement of levels of Artemether and its metabolites following its i. m. administration to African Children. A multicenter population pharmacokinetics study of Artemether. Department of Pharmacology and Therapeutics, Ashton Street Medical School, The University of Liverpool, Liverpool, UK.
1997 - 1998	Travelling Research Training Fellow, Developed a gold standard method for the measurement of the antimalarial Artemether and its metabolites in biological fluids using GC/MS/SIM technique. Scientific Program, Tropical Medicine, The Wellcome Trust, 183 Euston Road, London, NW 1 2BE, UK and Department of Pharmacology and Therapeutics, Ashton Street Medical School, The University of Liverpool, Liverpool, UK.
1996	Visiting Fellow, DAAD Short Study Visit (three months). Developed an HPLC method for the measurement of cotrimoxazole components following its use in a comparative bioequivalence study of some locally manufactured brands. German Academic Exchange Service (DAAD). Westfälische Wilhelms Universität Münster, Institut für Pharmazeutische Chemie, Hittorfstraße 58-62, 48149, Münster, Germany.
1991 - 1992	Postdoctoral Associate. Performed independent clinical research on sickle cell disease. Department of Pharmaceutics, College of Pharmacy, University of Florida, USA.
1987	A four weeks course of Teaching Assistants Training, University of Florida, USA.

### 2. Workshops

Date	Training Course/ Workshop/ conference	Body	Country
1988	Attended the Second Annual meeting.	The American Association of Pharmaceutical Scientists	Orlando FL, USA
1990	Poster presentation, Fifth Annual meeting	The American Association of Pharmaceutical Scientists	Las Vegas NV, USA
1991	Poster presentation, Sixth Annual meeting	The American Association of Pharmaceutical Scientists	Washington DC, USA
1993	Workshop on Revision of the Essential Drugs List	The General Directorate of Pharmacy, Ministry of Health	Khartoum, Sudan
1993	Paper presentation in the Workshop on “Bioavailability of Solid Dosage Forms.”	Drug Information Center, Bahri Teaching Hospital	Khartoum North, Sudan
1993	Workshop on “Transdermal Drug Delivery”	The Arab Company for Drug Industries and Medical Appliances (ACDIMA)	Amman, Jordan
1994	Sub-Regional University Workshop on the “Introduction of essential drugs and rational prescribing concepts into university curricula”	WHO Regional Office for Eastern Mediterranean	Damascus, Syria
1994	Workshop on “Development of Pharmacy Curriculum in Sudan”	Faculty of Pharmacy, University of Khartoum, in collaboration with the WHO	Khartoum, Sudan



1998	Workshop on Lecturing to a Large Group, Staff Development Program (1998/1999)	The University of Liverpool	Liverpool, UK
1999	Attended the Joint International Tropical Medicine Meeting.	Joint International Tropical Medicine Committee	Bangkok, Thailand
2000	Plenary lecture on the Workshop on Artemether. "Artemether Pharmacokinetics"	The Indian Pharmaceutical Combine Association Limited, IPCA Laboratories Ltd and Marwaco Commercial Enterprises Ltd	Khartoum, Sudan
Feb, 2001	Training course for Trainers Program: "Research Methodology Course for Trainers"	The Educational Development Center for Medical and Health Professions (EDC-MHP), University of Khartoum in collaboration with the Directorate of Research, Federal Ministry of Health (FMOH)-Sudan and WHO.	Khartoum, Sudan
2003	Attended the 2nd African Pharmaceutical Students Federation annual congress "The pharmacist in the new era of health care system".	The Faculty of Pharmacy in collaboration with the African Pharmaceutical Students Federation	Khartoum, Sudan
2003	First Pharmacy seminar/2003 on "Pharmacy Continuing Education."	The General Directorate of Pharmacy and Medical Supplies, FMOH	Khartoum, Sudan
2003	Workshop on Implementation and strengthening of the role of specialized boards within Sudan Medical Specialization Board.	Sudan Medical Specialization Board	Khartoum, Sudan
June, 2003	Training course on Presentation skills	EDC-MHP, University of Khartoum	Khartoum, Sudan
2004	Main speaker in the launch symposium of the new antimalarial Coartem (artemether/lumefantrine). Topic "Disposition of artemether in Sudanese patients with Chloroquine resistant malaria"	Novartis Pharma Services Inc. and Cisuba	Khartoum, Sudan
27/12/2004	Workshop on the importance of the introduction of rational use of drugs in the curricula of the colleges of medicine, dentistry, pharmacy, and nursing	The General Directorate of Pharmacy, FMOH in collaboration with the WHO	Khartoum, Sudan
2005	Workshop on Stability Studies of Multivitamins in different dosage forms	The General Directorate of Pharmacy, FMOH in collaboration with the WHO	Khartoum, Sudan
April, 2006	Training course in curriculum Planning	EDC-MHP, University of Khartoum, in collaboration with the Medical Education Center, University of Leeds, UK.	Khartoum, Sudan

Aug/ 2007	Training course on Communication skills	EDC-MHP, University of Khartoum, in collaboration with the Medical Education Center, University of Leeds, UK.	Khartoum, Sudan
2007	Podium presentation at the Faculty of Pharmacy Week. Topic "Clinical pharmacy Basics"	Faculty of Pharmacy, University of Khartoum	Khartoum, Sudan
2008	Attended the Dubai International Pharmaceutical and Technologies Conference and Exhibition Duphat 2008	Dubai Health Authority	Dubai, UAE
April/20 08	Workshop on Research Methodology. Gave a topic on "Sampling and Data collection"	The Continuous Professional Development Center and the General Directorate of Pharmacy, FMOH	Khartoum, Sudan
2008	Main speaker on the Workshop on "Problems of the pharmaceutical industry in Sudan"	Ministry of the Cabinet, Secretariat General of Consultancy Board	Khartoum, Sudan
July/200 8	The 5 <sup>th</sup> Evidence Based Medicine (EBM) Knowledge and Practice Symposium. Topic "Evidence based Pharmacy practice"	The Continuous Professional Development Center and the General Directorate of Pharmacy, FMOH.	Khartoum, Sudan
2009	Workshop on "Pharmaceutical Care"	The Continuous Professional Development Center and the General Directorate of Pharmacy, FMOH.	Khartoum, Sudan
2010	Attended the 16th Annual Pharmacy Day.	Ministry of Health, Fujairah	Fujairah, UAE
2010	Represented the college of Pharmacy and health sciences, Ajman University at The 14th General Assembly Meeting of the Executive Committee of the Scientific Association of Colleges of Pharmacy in the Arab World and the 3rd Jordan International Pharmaceutical conference "Towards Pharmaceutical Discovery".	Faculty of Pharmacy, Al-Zaytoonah Private University of Jordan	Amman, Jordan
2010	Attendance of plenary sessions, Continuous Medical Education, Dubai International Pharmaceutical and Technologies Conference and Exhibition (Duphat 2010), Dubai, UAE	Dubai Health Authority	Dubai, UAE
2013	Attendance of the 18th World Congress of Echo cardiology and Allied Techniques	Fujairah Medical Zone, Ministry of Health	Fujairah, UAE
2013	Attendance of plenary sessions, Continuous Medical Education, Dubai International Pharmaceutical and Technologies Conference and Exhibition	Dubai Health Authority	Dubai, UAE.
2014	Attendance of plenary sessions, Continuous Medical Education, Dubai International Pharmaceutical and Technologies Conference and Exhibition	Dubai Health Authority	Dubai, UAE
2014	Chairman, the second session of the World Asthma Day "Promoting Awareness, Screening, Prevention and Control of Asthma in the UAE".	Ajman University of Sciences and Technology Network	Ajman, UAE
2014	Main speaker for a workshop entitled "Pharmacists, Medical Laboratories and drug companies Liability" as part of The 3rd Arab Conference on Medical	Sabra Legal Training in collaboration with Dubai Health Authority.	Dubai, UAE

	Liability. "Professional legal and ethical principles of medical practice"	Mohamed Bin Rashid Medical Academy	
2014	Attended the Emirates International PharmacoEconomic Conference "Building a sustainable quality and value-driven health care system in the UAE"	The public health policy and licensing sector	Dubai, UAE.
2016	Workshop on application of nanotechnology in drug delivery	Faculty of Pharmacy, university of Khartoum	Sudan
2016	Symposium on National Pharmaceutical Industry: Improvement strategy	Faculty of Pharmacy, university of Khartoum	Sudan
2016	Chairman for a Symposium on improving pharmacy practice: A focus on local needs	Faculty of Pharmacy, U of K	Sudan
2016	One-day workshop on ACPE International certification "The International Services Program Certification Workshop"	Ajman University in collaboration with CAA - UAE and ACPE International - USA.	UAE
2017	Workshop on Therapeutic Drug Monitoring: Principles and applications.	The Sudanese Medical Specialization Board	Sudan
2017	Training sessions in Therapeutic drug monitoring to the students of the First Professional Doctorate of Pharmacy in Sudan (Clinical Pharmacy).	Sudan Pharmacy Specialization Board	Sudan
<b>Date</b>	<b>Courses &amp; Workshops Attended in Education</b>	<b>Body</b>	<b>Country</b>
	Training course on Modular Object-Oriented Dynamic Learning Environment (*MOODLE)	E-Learning Unit, IT Department, AUST, UAE	March, 2010
	Training course on Program management	AUST, UAE	October, 2010
	Training course on **Mendeley Reference Manager 1.10.3	Self-learning, online tutorials	January, 2011
	Workshop on current and future Educational programs of Ajman University	AUST, UAE	June, 2014
	Training course on Student Information System (**SIS).	AUST, UAE	December, 2014
	Training course on Blackboard Learn™ for online teaching	Self-learning, internet tutorials	February, 2015
	Workshop on Faculty Curriculum Reform	U of K, Sudan	27/2 – 1/3/2016
	Workshop on Curricular Design and Delivery	Alain University of Science and Technology, UAE	13 – 14/3/2016
	Workshop on Course learning (CLOs)and program learning outcomes (PLOs) (CAP)	AU	March, 2018
	The 5th regional pharmacy faculty development workshop on best practices for planning and evaluation of interprofessional education	Al Ain University - Abu Dhabi Campus	23-24 February, 2020
	Training on the use of Cisco WebEx	IT department, USTF	8/3/2020
	Training on the use of the Lockdown browser	IT department, USTF	4/5/2020
	Training on the use of the Microsoft Teams	IT department, USTF	27/5/2020 and 2/9/2020

### 3. Master Theses Supervision

- Prescribing practices and rational use of Ceftriaxone in renal failure patients at Soba Hospital
- Evaluation of treatment of nosocomial infection in intensive care unit at soba hospital
- Evaluation of hypertensive patient education by community pharmacists in Khartoum state
- Assessment of awareness and need for total parenteral nutrition in hospitals
- Screening services for the prevention of cardiovascular diseases in community pharmacies in Khartoum state
- Awareness and knowledge about infection by immune-deficiency syndrome virus among nurses in

- Omdurman teaching hospital
- Medication related errors in renal transplantation patients
- Treatment of hypertension in patients with chronic renal failure
- Evaluation of parenteral incompatibility in accident and emergency unit of Omdurman hospital
- Investigation of the use of creatinine clearance in dose adjustment in renal dysfunction
- Evaluation of the prevalence of polypharmacy in elderly diabetic patients
- Management of oral Mucositis following cytotoxic chemotherapy.
- Meningitis treatment in children
- Therapeutic drug monitoring in renal impairment
- Evaluation of treatment of Visceral Leishmaniasis in Children
- Community pharmacists and education of asthmatic patients who use metered dose inhalers

#### 4. Doctorate Theses Supervision

- Professional development of pharmacy practice in community pharmacy and strategies for implementation in developing countries.
- Development and formulation of a new natural product for the treatment of pityriasis versicolor and skin dermatophyte infections
- Colon Drug Targeting Using Ibuprofen as a Model
- Comparative bioequivalence studies on various brands of ciprofloxacin available in the Republic of Yemen and the influence of Khat on their bioavailability.

#### MEMBERSHIP OF PERIODICALS AND SCIENTIFIC JOURNALS

##### Local

Status	Association/ Society	Town/Country	Date
Member	Sudanese Pharmacists Syndicate	Khartoum/Sudan	1983
Member	Sudanese Society of Tropical Medicine and Hygiene (SSTMH)	Khartoum/Sudan	1994
Member	Sudanese Society in Care of Old People (SSCOP)	Khartoum/Sudan	1996
Member	Society for Women and AIDS in Africa (SWAA) Sudan	Khartoum/Sudan	2006
Member	The Sudanese Organization of Environment and Nutrition (Soen)	Khartoum/Sudan	2006
Member	Star Charity Sudan	Khartoum/Sudan	2010
Consultant	Donate to Educate	Sudan/USA	2020

##### Regional

Status	Association/ Society	Town/Country	Date
Member	Executive Committee of the Scientific Association of Colleges of Pharmacy in the Arab World	Cairo/Egypt	2010
Member	Public Health in the Arab World (PHAW)	Beirut/Lebanon	2012
Member	Arab Scientific Community Organization (Arsco)	Wales/UK # 1134734	2014

##### International

Status	Association/Society	Town/Country	Date
Member	American Association of Pharmaceutical Scientists (AAPS).	Virginia/USA	1989
Member	Royal Society of Tropical Medicine and Hygiene, UK (RSTMH)	London/UK	1997
Member	European Society of Clinical Pharmacy (ESCP)	The Netherlands	1999

#### AWARDS, HONORS AND DISTINCTIONS

Award	Awarding Body	Country	Date
Achievement Award	U of K	Sudan	2016
Best student Research Project Award. The Sixth, Seventh and eighth Student Scientific Approach Conference.	Research, Information and Training Action Group, AUST	UAE	2013 2014 2016
Ideal Mother Award	AUST	UAE	2012
College of Pharmacy Prize for Excellence in Graduate Research	University of Florida	USA.	1991
Federico A. Vilallonga Memorial Award for Excellence in Graduate Studies	University of Florida	USA	1990
The University Prize for Best B. Pharm. Student	U of K	Sudan	1982
Late Professor D'Arcy's Prize for Best B. Pharm. Student	U of K	Sudan	1982
Late Mohamed A. Salih's Prize for Best B. Pharm. Student	U of K	Sudan	1982
The University Prize for Best student in Pharmaceutical Chemistry	U of K	Sudan	1982
Sayed Mohamed AbdRabu's Prize for Best student in Pharmaceutical Chemistry	U of K	Sudan	1982

## Honors

- First Sudanese female Pharmacist to graduate from the Faculty of Pharmacy, U of K with First Class honor. Thirteen years latter a second Sudanese female pharmacist graduated with First Class honor.
- First female Pharmacist to be appointed as a teaching assistant and later as staff member at the Faculty of Pharmacy, U of K.
- First Sudanese female Pharmacist to earn the professorship in Pharmacy.
- First female Pharmacist to be a member of the Faculty of Pharmacy Board and the Faculty Research Board (17 Years)
- First female pharmacists to Head the Department of Pharmaceutics, the largest department at the Faculty of Pharmacy, as it includes the department of pharmaceutical microbiology (7 years)
- First female Pharmacist to join the University of Khartoum Senate (8 Years)
- Second Deputy Dean, Faculty of Pharmacy, U of K (4 years)
- Established and managed the first master degree by courses (Master of Clinical Pharmacy, MCP) at the Faculty of Pharmacy, U of K (7 years).
- First female deputy Dean, College of Pharmacy and Health Sciences, AUST, UAE
- Selected as a referee for the "Minister of Interior Award for Scientific Research" Ministry of Interior, Abu Dhabi, UAE
- Invited author for several journals e.g:
  - Journal of Hospital Administration. 24/1/2014
  - Journal of Pharmaceutical care and Health Systems. 7/3/2014
- Invited Guest Editor for Biomaterials and tissue engineering bulletin. 5/2/2015
- Invited speaker for many conferences e.g:
  - The 5th International conference and exhibition on pharmaceutics and novel drug delivery systems. 19/1/2015.
  - Pharma Middle East Conference. 2-4/11/2015
  - 5<sup>th</sup> Edition of Global conference on Pharmaceutics and Drug Delivery Systems (PDDS 2020) to be held on June 15-17, 2020, **in Rome, Italy.**
  - World Gene Convention-2020 (WGC-2020) conference, which will be held during June 7-9, 2020 in Osaka, Japan
- Invited for several Editorial/Reviewer Board Membership e.g. Current Chinese Science, 24/1/2020

- Several interviews with Fujairah Radio broadcasting channel, Fujairah main television channel and Fujairah News Newsletter.
- Interviewed by the Barnamegi Tech of Aldafra TV channel regarding new establishments and research activities at the college of pharmacy, Fujairah Campus.  
<https://www.youtube.com/watch?v=RqZHd5sCkHg>  
<https://www.youtube.com/watch?v=1lBi-8gj5CQ>  
<http://www.aldafratv.portal/2d1a9302-fbad-4d19-a2d7-9e33ecec6b8e.aspx>
- Honored by the University of Khartoum for the introduction of clinical pharmacy in Sudan and the establishment of the First Master in Clinical Pharmacy program
- First female pharmacists to be promoted to professor in Pharmaceutical Sciences.

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#### **Distinctions**

- Several Certificates of Continuous Medical Education (CME)
- Several Certificates of Appreciation
- Many Letters of Acknowledgements

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#### **SKILLS**

##### **Instrumentation**

Highly experienced in the setup and use of the following equipment:

- Spectrophotometry (UV/Visible).
- Fluorescence, Coulometric and electrochemical detectors.
- High performance liquid chromatography (HPLC).
- Capillary Electrophoresis (CE, CZE, MEKC).
- Gas liquid chromatography (GLC).
- Mass spectroscopy (MS).
- Combined Gas Chromatography/Mass Spectroscopy/Selected Ion Monitoring (GC/MS/SIM).

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##### **Human Clinical Trials**

- Well-experienced in Experimental designing, coordination, and conducting clinical trials for bioequivalence, bioavailability, pharmacokinetic and pharmacodynamic studies.
- Highly skilled in phlebotomy and biological sample handling.
- Excellent experience in developing assays for measurement of concentrations of drugs and their metabolites in biological matrices.
- Pharmacokinetic and pharmacodynamic data analysis and reporting.

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##### **Computers**

Well versed in the use of computers and their programs including:

- Word processing (Microsoft Office®).
- Spread sheets and Scientific Computing (Lotus® and Excel®).
- Graphics and curve fitting for determination of pharmacokinetic parameters (Sigma plot™, Graph™, R-strip®, Top Fit®).
- Pharmacokinetic-pharmacodynamic modeling (Top Fit® and NONMEM®).
- Statistical analysis (Minitab®, SPSS™, EPINFO™).
- Medley Desk top 1.1.2 Reference system.
- Internet communications.
- Ajman University E-Learning system (MOODLE and SIS)
- Distance teaching using Black Board™ Learning Management System

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##### **Curriculum Planning and Development**

- Well versed in curricular design, delivery and assessment
  - Vast knowledge in up to date teaching and assessment methodologies e.g. Evidence and Team based learning, Flipped classes, Gamification (Kahoot) and Schology.
  - Effective member in Curriculum Committees at the U of K, UMST, and AUST
  - Establishment of new Colleges of Pharmacy Curricula: The Academy of Medical Science and Technology, Nile College and Alnelien College.
  - Revision of already established Colleges of Pharmacy undergraduate Curricula: International Africa University, Ahfad University for Girls.
  - Organized the curriculum and supervised its execution: Master in clinical pharmacy degree U of K.
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- Establishments of postgraduate programs: Master by courses degrees.
- Preparation of the Ministry of Education Council of Academic Accreditation (CAA) documents regarding accreditation of the college of Pharmacy (2014), relicensure of the Ajman University (2018) and the licensure of the University of Science and Technology of Fujairah (2019).

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#### **Webinars Attended**

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- "Polarimetric purity and concentration measurement of amino acids in biopharmaceuticals" presented by Joerg Bampfler. Anton Paar company GMPH, Germany. 3/9/2020.
  - "Together against Corona: A multidisciplinary collaboration to develop Lebanon's COVID-19 Contact Tracing App" Presented by the Faculty of Health Sciences, American University of Beirut, Lebanon. 30/9/2020
  - Introduction to protac technology for novel drug discovery. Biopharma group, SP Genevac presented by Dr. Emelyne, University of Dundee, Dr. Gyrith, Imperial college London and Mr. Induka, SP Genevac. 7/10/2020.
  - Covid-19 impact on mental health and depression. Professor Allan H, Young, Kings college London. 8/12/2020.
  - How the pandemic is changing pharmacy practice in the United States. Professor Paul W. Bush, ASHP clin prof, ASHP Vice chancellor, University of South Carolina. 15/12/2020
  - Vaccine's development, regulatory and safety issues. Dr. Krathish Bopanna, Dr. Bhoomendra, Dr. Obaid Ali and Dr. Omer Sarhud, Ras Al Khaimah University. 4/3/2021.
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